

IN THE CLAIMS

Please amend the claims as follows:

- 1 1. (Currently Amended) An apparatus for improving the
2 efficiency of service request/response activity between multiple
3 clients and multiple service applications with a complex
4 computerized environment comprising:
- 5 a. a client computer having at least one of a plurality of
6 client applications which generate service requests;
- 7 b. a hardware server having a service application
8 responsively coupled to said plurality of client
9 applications;
- 10 c. a first service request requiring Input/Output activity
11 and computational activity generated by a first one of said
12 plurality of client applications transferred to said service
13 application;
- 14 d. a first thread pool responsively coupled to said service
15 application which handles said Input/Output activity of said
16 first service request; and
- 17 e. a second thread pool responsively coupled to said
18 service application which handles said computational
19 activity of said first service request.

2. (Original) The apparatus of claim 1 further comprising a first client key which uniquely identifies said first one of said plurality of client applications to said first thread pool and said second thread pool.

3. (Previously Presented) The apparatus of claim 2 wherein a second one of said plurality of client applications generates a second service request transferred to said service application requiring Input/Output activity and computational activity.

4. (Original) The apparatus of claim 3 further comprising a second client key which uniquely identifies said second one of said plurality of client applications to said first thread pool and said second thread pool.

5. (Previously Presented) The apparatus of claim 4 wherein said client computer further comprises a user terminal responsively coupled to a data base management system via a publically accessible digital data communication network and wherein said first client application is located within said user terminal and said service application is located within said data base management system.

1 6. (Currently Amended) A method of utilizing a computer to
2 improve the efficiency of managing a service request requiring
3 Input/Output activity and computational activity of a client
4 application by a service application comprising:

- 5 a. transferring said service request from said client
6 application to said service application;
7 b. handling said Input/Output activity using a first thread
8 pool; and
9 c. handling said computational activity using a second
10 thread pool.

1 7. (Original) A method according to claim 6 further comprising
2 a client identifier which identifies said client application to
3 said first thread pool and said second thread pool.

1 8. (Original) A method according to claim 7 wherein said
2 transferring step further comprises transferring said service
3 request to said service application via a publically accessible
4 digital data communication network.

1 9. (Original) A method according to claim 8 further comprising
2 a user terminal wherein said client application is located within
3 said user terminal.

1 10. (Original) A method according to claim 9 further comprising
2 a data base management system wherein said service application is
3 located within said data base management system.

1 11. (Currently Amended) An apparatus for improving the
2 efficiency of service request/response activity between multiple
3 clients and multiple service applications with a complex
4 computerized environment comprising:

5 a. means for generating a service request within a client
6 computer requiring Input/Output activity and computational
7 activity;

8 b. means responsively coupled to said generating means for
9 honoring said service request within a data base management
10 system [[via]] by performing said Input/Output activity and
11 said computational activity;

12 c. first thread pool means responsively coupled to said
13 honoring means for handling said Input/Output activity; and

14 d. second thread pool means responsively coupled to said
15 honoring means for handling said computational activity.

1 12. (Original) An apparatus according to claim 11 further
2 comprising means for uniquely identifying said generating means
3 to said first thread pool means and said second thread pool
4 means.

1 13. (Original) An apparatus according to claim 12 wherein said
2 identifying means further comprises a client key.

1 14. (Original) An apparatus according to claim 13 wherein said
2 honoring means further comprises a data base management system.

1 15. (Original) An apparatus according to claim 14 wherein said
2 generating means further comprises a user terminal.

1 16. (Currently Amended) In a data processing system having a
2 client computer containing a client application which generates a
3 service request requiring Input/Output activity and computational
4 activity responsively coupled to a service application located
5 within a hardware server, the improvement comprising:

6 a. a first thread pool ~~responsively~~ interactively coupled to
7 said service application for handling said Input/Output
8 activity; and

9 b. a second thread pool ~~responsively~~ interactively coupled
10 to said service application for handling said computational
11 activity.

1 17. (Original) The improvement according to claim 16 further
2 comprising a client key which identifies said client application
3 to said first thread pool and said second thread pool.

1 18. (Previously Presented) The improvement according to claim
2 17 wherein said client computer further comprises a user terminal
3 containing said client application.

1 19. (Previously Presented) The improvement according to claim
2 18 further comprising a publically accessible digital data
3 communication network responsively coupled between said user
4 terminal and said hardware server containing said service
5 application.

1 20. (Previously Presented) The improvement according to claim
2 19 further comprising a data base management system containing
3 said service application located within said hardware server.

1 21. (Currently Amended) An apparatus for improving the
2 efficiency of service request/response activity between multiple
3 clients and multiple service applications with a complex
4 computerized environment comprising:

- 5 a. a plurality of client applications which generate a
6 plurality of service requests;

7 b. a service application responsively coupled to said
8 plurality of client applications;
9 c. a first of said plurality of service requests requiring
10 Input/Output activity and computational activity generated
11 by a first one of said plurality of client applications
12 transferred to said service application;
13 d. a first thread pool responsively coupled to said service
14 application which handles said Input/Output activity of said
15 first service request;
16 e. a second thread pool responsively coupled to said
17 service application which handles said computational
18 activity of said first service request[[.]] ;
19 f. a first client key which uniquely identifies said first
20 one of said plurality of client applications to said first
21 thread pool and said second thread pool;
22 ~~g. wherein a second one of said plurality of client~~
23 ~~applications generates a second service request transferred~~
24 ~~to said service application requiring Input/Output activity~~
25 ~~and computational activity;~~
26 [[h]]g. wherein a second one of said plurality of client
27 applications generates a second service request transferred
28 to said service application requiring Input/Output activity
29 and computational activity; and

30 [[i]]h. a user terminal responsively coupled to a data base
31 management system via a publically accessible digital data
32 communication network and wherein said first client
33 application is located within said user terminal and said
34 service application is located within said data base
35 management system.